

- NOTES:**
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE MAY NOT SHOW ANY/ALL EASEMENTS OR RESTRICTIONS THAT MAY AFFECT THE PROPERTY AS SHOWN.
 - THIS PROPERTY APPEARS TO FALL IN FLOOD ZONE X AS SHOWN ON PANEL 043BJ OF THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF FAYETTEVILLE, COMMUNITY NO.: 370077, DATED JANUARY 5, 2007. FLOOD ZONE INFORMATION SHOWN HEREON IS NOT GUARANTEED AND WAS APPROXIMATELY SCALED FROM THE FLOOD INSURANCE RATE MAPS FOR THE CITY/COUNTY INDICATED. MSA, P.C. IS NOT A PARTY IN DETERMINING THE REQUIREMENTS FOR FLOOD INSURANCE ON THE PROPERTY SHOWN. FOR FURTHER INFORMATION AND TO CONFIRM THE FLOOD ZONE FOR THIS PROPERTY, CONTACT THE LOCAL COMMUNITY FLOOD OFFICIAL. FLOOD ZONE DETERMINATION IS BASED ON THE FLOOD INSURANCE RATE MAPS AND DOES NOT IMPLY THAT THIS PROPERTY WILL OR WILL NOT BE FREE FROM FLOODING OR DAMAGE.
 - NORTH MERIDIAN SHOWN HEREON IS BASED ON NORTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD83(2001).
 - ELEVATIONS SHOWN HEREON BASED ON NAVD88 AND WERE ESTABLISHED FROM CITY OF FAYETTEVILLE, NORTH CAROLINA, NATIONAL GEODETIC SURVEY DESIGNATION: VETERAN, ELEVATION=189.13.
 - THIS SURVEY DOES NOT ADDRESS THE EXISTENCE OR NONEXISTENCE OF WETLANDS, ENVIRONMENTAL HAZARDS, CEMETERIES OR ANY UNDERGROUND STRUCTURE NOT OBSERVED DURING THE COURSE OF THE SURVEY.
 - LOCATION OF UNDERGROUND NON-GRAVITY UTILITIES SHOWN ON THIS SURVEY ARE BASED ON SURFACE INDICATIONS OF SUBTERRANEAN USE AND PAINT MARKINGS FIELD LOCATED BY MSA, P.C. THIS SURVEY DOES NOT GUARANTEE THE EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES.
 - THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF, JEFFREY J. VERRETH, L.S. (LIC. NO. 2306) FROM AN ACTUAL GROUND/AIRBORNE SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON MAY 20, 21 & 23, 2013; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

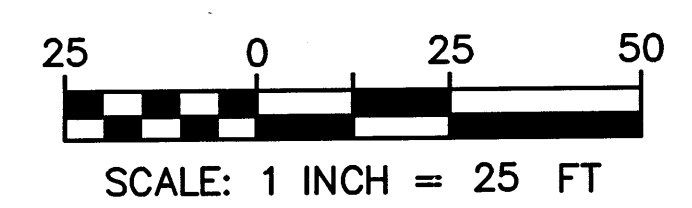
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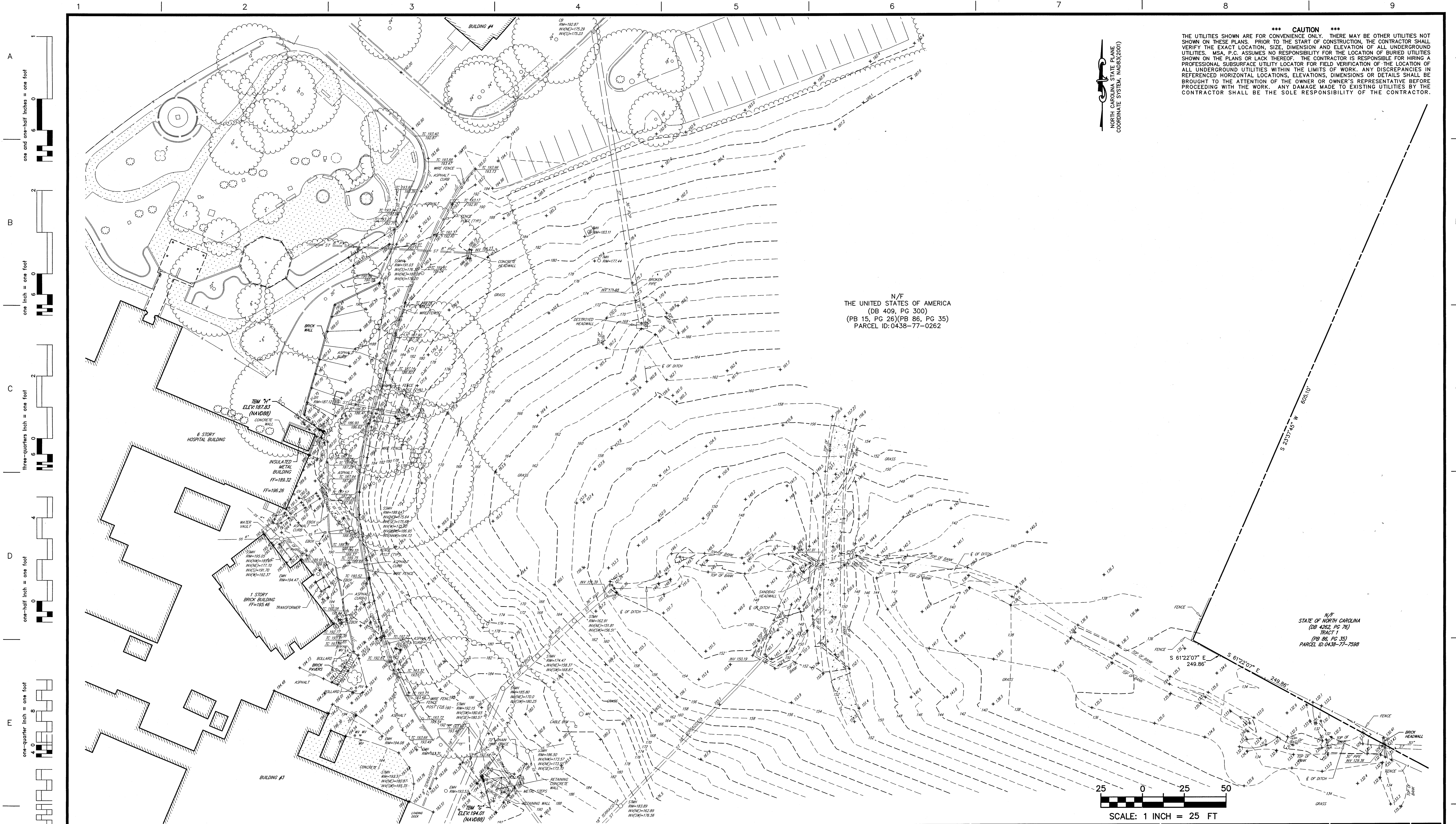
NORTH CAROLINA STATE PLANE
COORDINATE SYSTEM, NAD83(2001)

N/F
STATE OF NORTH CAROLINA
(DB 4262, PG 76)
TRACT 1
(PB 86, PG 35)
PARCEL ID: 0438-77-7598

N/F
THE UNITED STATES OF AMERICA
(DB 409, PG 300)
(PB 15, PG 26)(PB 86, PG 35)
PARCEL ID: 0438-77-0262



						MSA, P.C. Environmental Sciences • Planning • Surveying Civil & Environmental Engineering • Landscape Architecture 5033 Rouse Drive, Virginia Beach, VA 23462 757-490-9264 (Off) 757-490-0634 (Fax) www.msaonline.com		 McEntire Design ARCHITECTS 1001 WEST WASHINGTON STREET SUFFOLK, VIRGINIA 23434 phone 757-923-9800 fax 757-923-9830		 FAYETTEVILLE DEPARTMENT OF VETERANS AFFAIRS		Drawing Title TOPOGRAPHIC SURVEY		Project Title STORMWATER STRUCTURE REPAIR		Date 10/11/13		 Department of Veterans Affairs			
												Building Number		Checked GBH		Drawn MSA				Project No. 565-13-119	
														Location VAMC, FAYETTEVILLE, NORTH CAROLINA						DRAWING NO. C3.0	
Revisions		Date																		DWG. 4 of 15	



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(DB 409, PG 300)
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PARCEL ID: 0438-77-0262

N/F
STATE OF NORTH CAROLINA
(DB 4262, PG 76)
TRACT 1
(PB 86, PG 35)
PARCEL ID: 0438-77-7589

SCALE: 1 INCH = 25 FT

one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

Revisions		Date				MSA, P.C. Environmental Sciences • Planning • Surveying Civil & Environmental Engineering • Landscape Architecture 5033 Rouse Drive, Virginia Beach, VA 23462 757-490-9264 (Ofc) 757-490-0634 (Fax) www.msaonline.com	McEntire Design ARCHITECTS 1001 WEST WASHINGTON STREET SUFFOLK, VIRGINIA 23434 phone 757-623-9800 fax 757-923-9830	 FAYETTEVILLE DEPARTMENT OF VETERANS AFFAIRS	Drawing Title TOPOGRAPHIC SURVEY		Project Title STORMWATER STRUCTURE REPAIR		Date 10/11/13	
Building Number		Checked GBH							Drawn MSA		Project No. 565-13-119			
Location VAMC, FAYETTEVILLE, NORTH CAROLINA		DRAWING NO. C3.1		DWG. 5 OF 15		Department of Veterans Affairs								

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:
The purpose of this project is to rework existing storm water system at the Fayetteville VAMC. The site is ±58.43 acres zoned SF6. Approximately 0.99 acres will be disturbed during this construction period.

SITE DESCRIPTION:
The existing project site is located at 2300 Ramsey Street in the City of Fayetteville, North Carolina. The project site is currently occupied by several buildings related to the medical center, paved driveways, parking lots, and wooded areas.

ADJACENT PROPERTY:
The project site is bounded by Ramsey Street to the West, Facility Drive to the South, Cochran Avenue to the North, and North Carolina State Veterans Home to the East.

SOILS:
The soils in the project area are mapped as Wagram-Urban land complex, 0 to 8 percent slopes on the western, developed portion of the site and Blaney loamy sand, 8 to 15 percent slopes on the eastern, wooded portion of the site.

PLANNED EROSION AND SEDIMENT CONTROL PRACTICES:
Unless otherwise indicated, all erosion and sediment control practices shall be constructed and maintained according to the minimum standards and specifications of the North Carolina Department of Environmental and Natural Resources (NCDENR) Erosion and Sediment Control Planning and Design Manual. The minimum standards of the NCDENR E&S Manual shall be adhered to unless otherwise waived or approved by a variance.

Temporary Block and Gravel Drop Inlet Protection - Practice 6.52
A temporary block and gravel drop inlet protection device to be installed at the existing drop inlet located west of the existing track and field. Runoff from the device will be directed into the existing wet pond.

Sediment Fence - Practice 6.62
A temporary sediment barrier constructed of posts, filter fabric and, in some cases, a wire support fence, to be placed across or at the toe of a slope or in a minor drainage way to intercept and detain sediment and decrease flow velocities from drainage areas of limited size. A sediment fence will also be constructed around the topsoil stockpile.

Tree Preservation and Protection - Practice 6.05
A minimum of 2.0-ft high protective fence will be placed along the tree preservation easements and around the existing trees to remain as indicated on the Erosion and Sediment Control Plan sheet C4.1 to prevent damage during construction.

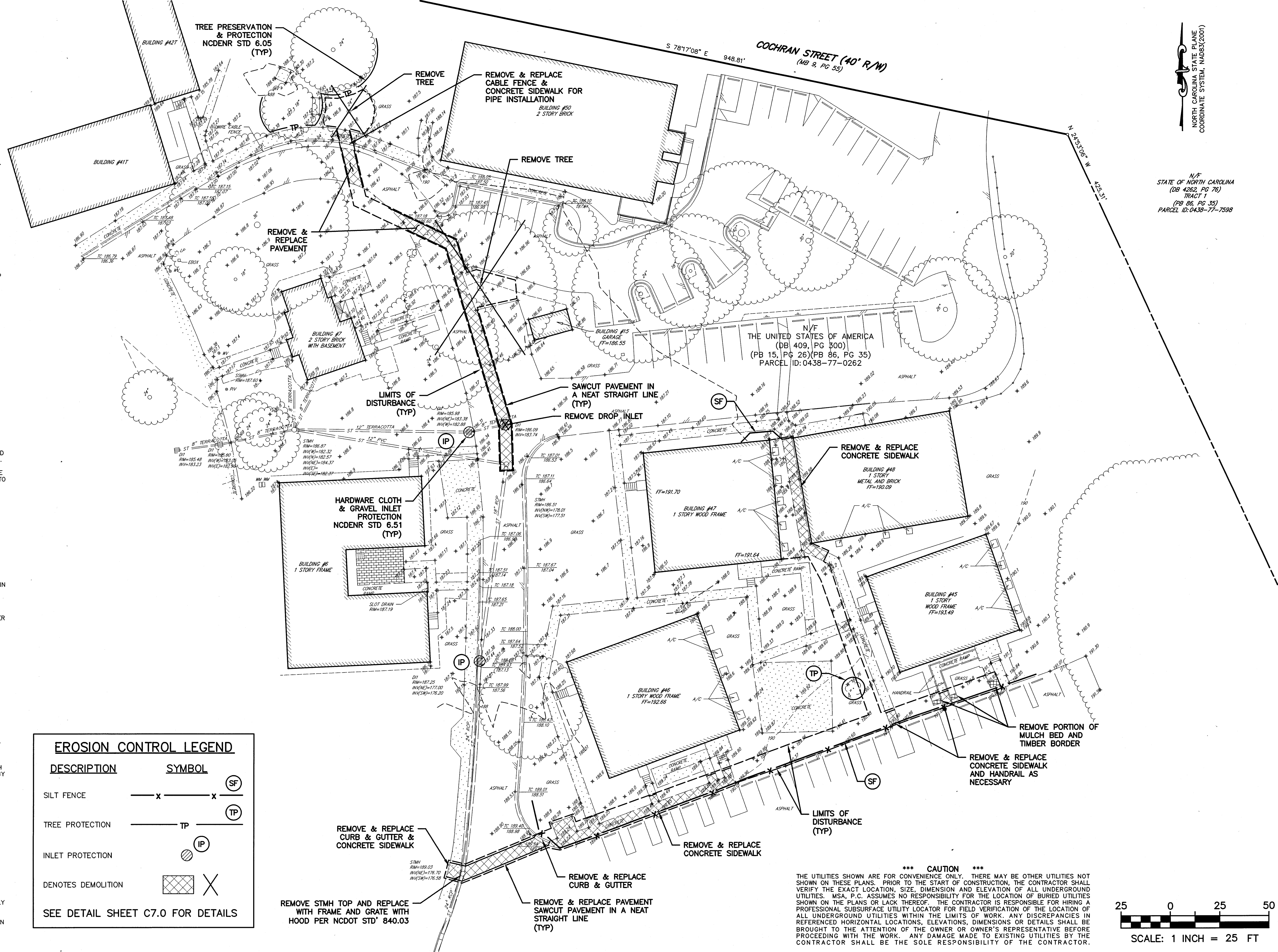
Dust Control - Practice 6.84
Reducing surface and air movement of dust during land disturbance, demolition or construction activities in areas subject to dust problems in order to prevent soil loss and reduce the presence of potentially harmful airborne substance.

SEQUENCE OF CONSTRUCTION

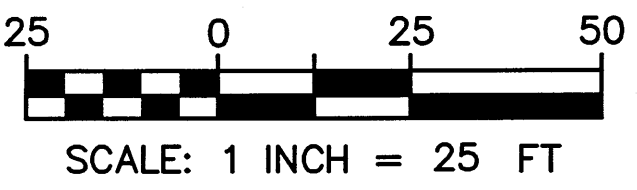
1. ACQUIRE NECESSARY PERMITS.
2. THE CONTRACTOR MUST CONTACT THE VA PROJECT MANAGER AT THE VAMC ENGINEERING OFFICE 48 HOURS IN ADVANCE TO SCHEDULE A PRECONSTRUCTION MEETING BEFORE ANY CONSTRUCTION ACTIVITY BEGINS.
3. VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE VETERANS AFFAIRS CENTER SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. LANE CLOSURES AND MAINTENANCE OF TRAFFIC SHALL BE COORDINATED WITH THE OWNER.
4. WORK ON THE ACCESS ROAD BETWEEN BUILDINGS 3 AND 4 AND THE SIDEWALK BETWEEN BUILDINGS 45 AND 46 SHALL BE PERFORMED ON WEEKENDS UNLESS OTHERWISE PERMITTED BY THE VA PROJECT MANAGER.
5. SEE SHEET C2.1 FOR ACCESS ROADWAY PHASING.
6. REMOVE AND DISPOSE OF EXCESS SEDIMENTATION FROM ALL STORM STRUCTURES THAT ARE BEING REMOVED OR REPLACED (PARTICULARLY AT THE SITE STORMWATER OUTFALL) AND INSTALL EROSION AND SEDIMENT CONTROL MEASURES. MAINTAIN UNTIL SUCH A TIME AS A VEGETATIVE COVER IS ESTABLISHED.
7. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES AS CALLED OUT ON THE PLANS SHALL BE IN PLACE PRIOR TO ANY DISTURBANCE AROUND OR IN THE EXISTING PONDS. CARE SHALL BE TAKEN TO MINIMIZE LAND DISTURBANCE IN AREAS LOCATED NEAR AND IN THE EXISTING PONDS. THESE CRITICAL EROSION AREAS SHALL BE MAINTAINED IN ACCORDANCE WITH THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, LATEST EDITION.
8. CLEAR & ROUGH GRADE AREAS REQUIRING IMPROVEMENTS.
9. INSTALL UNDERGROUND UTILITIES AND STORM DRAINAGE AND PROVIDE SEDIMENT TRAPS OR OTHER APPROVED PROTECTION AT THE NEW DRAINAGE STRUCTURES.
10. PLACE BASE STONE.
11. INSTALL CURB & GUTTER, BACKFILL CURB & GUTTER, GRADE ALL DISTURBED AREAS.
12. PAVE.
13. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
14. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.
15. REMOVE REMAINING TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WITHIN THIRTY DAYS AFTER FINAL SITE IS STABILIZED WITH VEGETATIVE GROWTH.
16. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.

- NOTES:**
1. ANY AND ALL MATERIAL OR DEBRIS TRACKED ONTO A PUBLIC OR PRIVATE ROAD SURFACE WILL BE REMOVED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA.
 2. DEMOLITION AND CONSTRUCTION ACTIVITIES ARE NOT TO DISTURB NOR ENCROACH UPON ADJACENT PROPERTIES AT ANY TIME DURING CONSTRUCTION.
 3. ALL ITEMS OF WORK NECESSARY TO COMPLETE THIS PROJECT SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
 4. ANY PAVEMENT REMOVAL REQUIRED SHALL BE REMOVED TO NEAT STRAIGHT LINES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS, ANY PAVEMENT, CONCRETE, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
 6. WHEN MATERIAL IS UNSUITABLE FOR FOUNDATION, SUBGRADES, OR OTHER PURPOSES OCCURS WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE SUCH MATERIAL AND BACKFILL WITH APPROVED SUITABLE MATERIAL. THE EXTENT OF UNDERCUTTING AND BACKFILLING TO BE DETERMINED BY THE OWNER'S SOILS ENGINEERING CONSULTANT.
 7. EXCESS SUITABLE MATERIAL IS TO BE GRADED OVER PROPOSED ROADWAY WHERE NECESSARY. UNSUITABLE MATERIAL SHALL BE DISPOSED OF IN A PERMITTED SITE AND IN A LAWFUL MANNER.
 8. THE CONTRACTOR SHALL RELOCATE THE LOCATION OF THE STOCKPILE AND STAGING AREA IF NECESSARY PER COUNTY STANDARDS AND REGULATIONS.
 9. THE STOCKPILE/STAGING AREA IS TO BE IMMEDIATELY STABILIZED.
 10. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 21 CALENDAR DAYS, FOLLOWING COMPLETION OF ANY PHASE OF GRADING; AND, A PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
 11. THE INSTALLATION OF THE SILT FENCE AND SWALES WILL REQUIRE CLEARING AND GRADING.
 12. DRAINAGE DITCHES ARE TO BE DEMOLISHED AND CLEARING OPERATIONS ARE TO BE EXTENDED LATERALLY AT LEAST 5 FEET BEYOND THE PERIMETER OF PROPOSED CONSTRUCTION AREAS.
 13. INLET AND OUTLET PROTECTION IN THE FORM OF RIP RAP SHALL BE USED FOR ALL PIPES DEPICTED ON PLANS.
 14. CONTRACTOR SHALL ENSURE 1' OF COVER OVER PROPOSED STORM PIPES AT ALL TIMES DURING CONSTRUCTION.

EROSION CONTROL LEGEND	
DESCRIPTION	SYMBOL
SILT FENCE	— X — X (SF)
TREE PROTECTION	— TP — (TP)
INLET PROTECTION	— IP — (IP)
DENOTES DEMOLITION	— X — (X)
SEE DETAIL SHEET C7.0 FOR DETAILS	



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Revisions		Date		Project Title		Date	
				STORMWATER STRUCTURE REPAIR		10/11/13	
				Building Number		Project No.	
						565-13-119	
				Location		DRAWING NO.	
				VAMC, FAYETTEVILLE, NORTH CAROLINA		C4.0	
				Checked		DWG. 6 of 15	
				GBH			
				Drawn			
				MSA			

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FAYETTEVILLE
DEPARTMENT OF VETERANS AFFAIRS

